**INFORMATION DISCLOSURE STATEMENT**

Applicant : Elers
App. No. : 10/719,277
Filed : November 20, 2003
For : MULTILAYER METALLIZATION
Examiner : Unknown
Group Art Unit : 2811

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing thirty-two (32) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 10, 2004

By: Adeel S. Akhtar

Adeel S. Akhtar
Registration No. 41,394
Attorney of Record
Customer No. 20,995
(415) 954-4114



PATENT

Case Docket No. ASMMC.052AUS
Date: May 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Elers
Appl. No. : 10/719,277
Filed : November 20, 2003
For : MULTILAYER
METALLIZATION
Examiner : Unknown
Group Art Unit : 2811

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 10, 2004

(Date)

Adeel S. Akhtar

Adeel S. Akhtar, Reg. No. 41,394

TRANSMITTAL LETTER

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

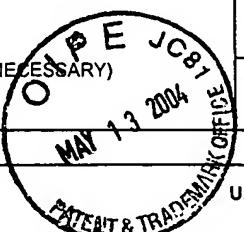
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing thirty-two (32) references of which twelve (12) are enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Adeel S. Akhtar
Adeel S. Akhtar
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Attorney of Record
Customer No. 20,995
(415) 954-4114

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. ASMMC.052AUS | APPLICATION NO. 10/719,277 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Elers | |
| (USE SEVERAL SHEETS IF NECESSARY) | | FILING DATE November 20, 2003 | GROUP 2811 |



U.S. PATENT DOCUMENTS

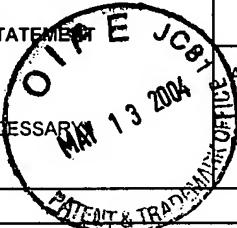
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|------------------|--------------------|----------|---------------------|-------|----------|------------------------------|
| 1 | 4,450,472 | 5/22/84 | Tuckerman et al. | | | |
| 2 | 4,938,742 | 7/3/90 | Smits | | | |
| 3 | 5,218,515 | 6/8/93 | Bernhardt | | | |
| 4 | 5,241,450 | 8/31/93 | Bernhardt et al. | | | |
| 5 | 5,461,003 | 10/24/95 | Havemann et al. | | | |
| 6 | 5,619,177 | 4/8/97 | Johnson et al. | | | |
| 7 | 5,777,292 | 7/7/98 | Grigorov et al. | | | |
| 8 | 5,901,037 | 5/4/99 | Hamilton et al. | | | |
| 9 | 5,936,295 | 8/10/99 | Havemann et al. | | | |
| 10 | 6,060,383 | 5/9/00 | Nogami et al. | | | |
| 11 | 6,272,169 B1 | 8/7/01 | Boswell, Jr. et al. | | | |
| 12 | 6,482,733 | 11/19/02 | Raaijmakers et al. | | | |
| 13 | 6,534,395 | 3/18/03 | Werkhoven et al. | | | |
| 14 | 6,629,425 | 10/7/03 | Vaiyapuri et al. | | | |
| 15 | 6,686,271 | 2/3/04 | Raaijmakers et al. | | | |
| 16 | 6,699,783 | 3/2/04 | Raaijmakers et al. | | | |
| 17 | 6,703,708 | 3/9/04 | Werkhoven et al. | | | |
| 18 | 6,727,169 | 4/27/04 | Raaijmakers et al. | | | 12/15/03 |
| 19 | US 2003/0032281 A1 | 2/13/03 | Werkhoven et al. | | | |
| 20 | US 2003/0143839 A1 | 7/31/03 | Raaijmakers et al. | | | 11/22/02 |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|------------------|-----------------|---------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| ✓21 | WO 98/03996 | 1/29/98 | PCT | | | | |
| ✓22 | WO 98/03997 | 1/29/98 | PCT | | | | |
| ✓23 | WO 98/04109 | 1/29/98 | PCT | | | | |
| ✓24 | WO 03/053895 A2 | 7/3/03 | PCT | | | | |

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| EXAMINER | DATE CONSIDERED |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. ASMMC.052AUS | APPLICATION NO. 10/719,277 |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|------------------|--|
| ✓ 25 | Blackburn, J.M. et al., "Deposition of conformal copper and nickel films from supercritical carbon dioxide," Science 294(5540) (2001) pp. 141-145 |
| ✓ 26 | Cabanas, A. et al., "Alcohol-Assisted Deposition of Copper Films from Supercritical Carbon Dioxide," J. Chemistry of Materials 15(15) (2003) pp. 2910-2916 |
| ✓ 27 | Dagani, Ron, "Dry Spinning of Carbon Nanotube Yarns" |
| ✓ 28 | Kondoh, E. et al., "Characteristics of copper deposition in a supercritical CO ₂ fluid," Microelectronic Engineering 64(1-4) (2002) pp. 495-499 |
| ✓ 29 | Lesiak, B. et al., "Characterization of Polyacetylene and Polyacetylene Doped with Palladium," Polish J. Chem., 74:847-865 (2000) |
| ✓ 30 | J.-Q. Lü et al., Advanced Metallization Conference 2000 (ULSI XVI), pp. 515-521. |
| ✓ 31 | Shirakawa, Hideki et al., "Synthesis of Electrically Conducting Organic Polymers: Halogen Derivatives of Polyacetylene, (CH) _x ," J.C.S., Chem. Comm., 578-580 (1977) |
| ✓ 32 | Tay, Andrew A.O., "Analytical Study on A MEMS Micro-Cooling System for Cooling of Flip Chips," Conf. on Design, Characterization, and Packaging for MEMS and Microelectronics, Queensland, Australia, Oct. 99, SPIE Vol. 3893, pp. 82-93 |
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| EXAMINER | DATE CONSIDERED |
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